

**United States Environmental Protection Agency
EPA New England
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December 11, 2005

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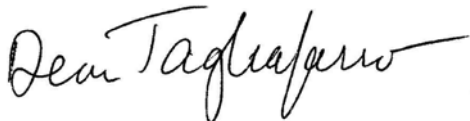
RE: November Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the November 2005 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.

Sincerely,



Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During November 2005, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included the installation of the sheetpile walls for Cells 38S, 38A and 40S. Next, the excavation and backfill activities in Cells 38S, 38A and 40S were completed. Then, the installation of the sheetpile walls for Cells 37S and 37A was performed and the excavation and backfill activities were completed. Also, the Cell 40 sheetpile walls were installed and the installation of the centerline sheetpile wall for Cells 41/42 was initiated. Transfer of TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. In addition, transfer of non-TSCA materials from the stockpile management areas to approved off-site facility continued.

2. Chronological description of tasks performed

Refer to Figure 1 (2 maps) for an orientation of the excavation cells and their respective locations.

By the end of October 2005, the upstream cutoff wall for Cell 38S (former Cell 38 downstream wall) was pulled up to grade from mud line and activities associated with the installation of the centerline sheetpile wall for Cells 37S/38S were initiated. During the first week of November, the installation of the centerline sheetpile wall for Cells 37S/38S was completed. The centerline sheets were driven very carefully to embed on top of the sewer siphon structure without damaging the structure. Also, the installation of the downstream sheetpile cutoff wall for Cell 38S was completed. Due to the high water flow underneath the centerline sheetpile at the sewer siphon, the riverbank adjacent to the downstream wall started to erode. The downstream wall was immediately removed and super sacks filled with common fill were installed along the outside of the centerline sheetpile wall to control the water breach into the cell. Then, the downstream sheetpile wall was re-installed. This time the sheetpile was driven through the super sacks filled with common fill to ensure the wall was properly sealed.

Once Cell 38S was isolated excavation activities in Cell 38S were completed. Due to the high water flow under the sheetpile walls into the cell, it was decided that dewatering of the cell could not be accomplished. Therefore the cell was excavated "in the wet". A small section of the floodplain in Cell 38S adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA's contractors. Since both TSCA and non-TSCA material was present in Cell 38S and the excavation was done "in the wet", there was no way of segregating the TSCA from the non-TSCA material. Therefore all material excavated from Cell 38S was classified as TSCA. The excavated material was placed into a double roll off box to allow the material to decant and then transported to Building 63

stockpile management area. (See the attached Table 1 for amount of material excavated during the month of November and Table 2 for the amount of material excavated to date)

The total amount of material excavated from Cell 38S “GE floodplain area” was calculated with material excavated from Cell 38A “GE floodplain area”.

The surveyors monitored the excavation activities in Cell 38S to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 38S and backfilling activities were initiated. The riverbed and riverbank of Cell 38S were backfilled as follows: First the riverbed was to be backfilled with common fill to bring the riverbed to the design grade. Filter material type II was used instead of common fill to bring the riverbed up to grade because backfilling was done “in the wet”. Next, a nine-inch layer of filter material type II, and a fifteen-inch layer of 9-inch riprap were placed. The riverbanks were to be first backfilled with common fill to the design grade, as was done for the riverbed, the common fill was substituted by filter material type II, then a nine-inch layer of filter material type II and a twenty four-inch layer of 18-inch riprap were placed up to elevation 966.0 feet above mean sea level (AMSL).

The riverbank beyond elevation 966.0 feet AMSL will be backfilled with common fill to within 6-inches of final grade. The common fill will be installed in twelve-inch horizontal lifts and compacted to meet the 95% compaction requirement. Next, a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets will be placed. Due to the location of the access road and heavy traffic adjacent to Cell 38S, the topsoil, herbaceous seed and erosion control blankets will be placed at a later date.

The surveyors monitored the backfilling activities in Cell 38S to ensure appropriate design backfill grades were achieved. As the river bottom and riverbank backfilling activities progressed, the final restoration verification survey was initiated.

The installation of the centerline sheetpile wall for Cells 37A and 38A to the design depth was completed and the installation of the Cell 38A downstream sheetpile cutoff wall was initiated.

Also, by the end of October it was decided that the Phase 3C river crossing will not be used during the remediation activities in Phase 3C. Instead, the dirt driveway/private road in the back of Parcels I6-1-69 and I6-1-68 was utilized to perform remediation activities in Cell 38S. This driveway/private road will also be utilized to remediate Cell 38A and Cell 40S. Therefore, during the first week of November additional improvements were made to the road including an installation of construction fencing along the road to prevent any potential lawn damage. Also, tree branches above the road were tied back to prevent any potential damage from the construction equipment traveling on the road.

Other activities performed during the first week of November included activities associated with erosion caused by the October 2005 flood. Additional riprap was placed on the riverbanks in Cell 29 adjacent to Parcel I7-99-000 and along the riverbanks in Cell 30 adjacent to Parcel I7-2-20.

In addition, work on the former support area on Parcel I7-1-5 was performed. One truck load of debris was removed from the Cell 36 riverbank adjacent to Parcel I7-1-5 and transported to Area 64E stockpile management area. Additional topsoil was installed and hay mulch was placed on the newly top soiled and seeded area. Also, final lawn restoration and repairs were made to the topsoil on Parcel I7-2-21, former crane pad location.

Repairs to the silt fencing along the west access road in Phase 3C were performed. Miscellaneous housekeeping activities on the east and west riverbank staging/support areas were completed.

The removal of the Phase 3B watering system was completed. The removal of the sediment from the water treatment system (WTS) modutanks continued. The sediment was removed from the tanks by a vacuum truck, and then transported to Building 65 stockpile management area where it will be sampled for off-site disposal characterization and mixed with Portland cement.

During the second week of November, the remainder of the excavated Cell 38S TSCA material was transported from the roll off box to the Building 63 stockpile management area.

Cell 38S backfilling activities were completed. All backfilling was completed according to the backfill configurations described above. Once the backfilling activities were completed, the final restoration verification survey was performed.

The installation of the Cell 38A downstream sheetpile cutoff wall was completed. Once Cell 38A was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 38A and excavation activities in Cell 38A were completed. A small section of the floodplain in Cell 38A adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA's contractors. The excavated TSCA material was transported to Building 63 and Building 68 stockpile management areas. The non-TSCA material not characterized for off-site disposal was transported to Area 64D north, Area 64D south and Area 64C north stockpile management area.

The total amount of material excavated from both Cell 38S and Cell 38A in the "GE floodplain area" was 24 cy. GE will be responsible for the excavation, backfill, and OPCA disposal costs for the 24 cy of material.

While the excavation activities were on going in Cell 38A, the installation of the centerline sheetpile wall for Cells 39S/40S was completed. The centerline sheets were driven very carefully to embed on top of the sewer siphon structure without damaging the structure. Also, the installation of the downstream sheetpile cutoff wall for Cell 40S was completed.

Once Cell 40S was isolated, the limit of excavation and the riverbank excavation grade stakes were installed and the excavation activities in Cell 40S were completed. Due to the high water flow underneath the sheetpile walls and into the cell, it was decided that dewatering of the cell could not be accomplished therefore the cell was excavated "in the wet". A small section of the

floodplain in Cell 40S adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA's contractors. All riverbed and riverbank material in Cell 40S was non-TSCA. Some of the excavated material was placed on the Cell 38A riverbanks and the rest was placed into a double roll off box to allow the material to decant and then transported to Area 64D south and Area 64D north stockpile management area.

The total amount of material excavated from Cell 40S in the "GE floodplain area" was 1 cy. GE will be responsible for the excavation, backfill, and OPCA disposal costs for the 1 cy of material.

The surveyors monitored the excavation activities in Cell 38A and 40S to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, final excavation verification survey was performed in Cells 38A and 40S and backfilling activities were completed.

The riverbed and riverbank of Cell 38A and 40S were backfilled as follows: The riverbed in Cells 38A and 40S did not require a common fill layer. A layer of common fill was only to be placed in areas that were over excavated, such as sumps and trenches. In Cell 40S, filter material type I was used instead of common fill to bring the riverbed up to grade because backfilling was done "in the wet". Next a ten-inch layer of filter material Type I, and a fifteen-inch layer of 9-inch riprap were placed. The riverbanks were backfilled with common fill to the design grade, a nine-inch layer of filter material type I and a twenty four-inch layer of 18-inch riprap up to approximately elevations 966.0 feet and 966.5 AMSL. In Cell 40S 18-inch riprap was placed all the way up to the sewer siphon structure which is located beyond elevation 966.5 feet AMSL.

The riverbank beyond elevations 966.0 feet and 966.5 AMSL in Cell 38A will be backfilled with common fill to within 6-inches of final grade. The common fill will be installed in twelve-inch horizontal lifts and compacted to meet the 95% compaction requirement. Next, the riverbank will be backfilled with a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets will be placed. Due to the location of the access road, heavy traffic adjacent to Cell 38A and the subsequent remediation activities in the "GE floodplain area", topsoil, herbaceous seed and erosion control blankets will be placed only in the first twenty-five feet of the Cell 38A riverbank at this time. The rest of the Cell 38A and Cell 40S will be backfilled at a later date.

Since riprap in Cell 40S was placed all the way up to the sewer siphon structure, no additional backfilling was required.

The installation of river enhancement structures in Cells 38A was initiated.

The surveyors monitored the backfilling activities in Cell 38A and 40S to ensure appropriate design backfill grades were achieved. Once the backfilling was completed the final restoration verification survey was completed on the riverbed and the riverbanks up to elevation 966.0 feet and 966.5 feet AMSL. A layer of temporary erosion control riprap was placed at the downstream end of Cell 40S, at the interface between Cell 40S and the unexcavated Cell 40, to avoid any potential erosion.

The Cell 40S upstream sheepile cutoff wall was removed and the downstream sheetpile cutoff walls as driven to mud line and Cells 38A and 40S were flooded. The Cell 40S downstream cutoff wall will be used in the future as the upstream cutoff wall for Cell 40.

In addition, during the second week of November the installation of the Cells 39/40 centerline sheetpile wall was completed and the installation of the Cells 41/42 centerline sheetpile wall was initiated.

Other activities during the second week of November included the removal of the site security fencing from Parcel I7-2-20. The removal of the sediment from the WTS modutanks was completed.

During the third week of November, Cell 38A backfilling activities were completed in accordance to backfill configurations described above.

Once the backfilling activities were completed, the final restoration verification survey was performed. Silt fencing was installed along the top of the riverbank of Cell 38A and 40S.

Also, the remainder of the excavated Cell 40S non-TSCA material was transported from the roll off box to the Area 64D south stockpile management area.

In addition, the removal of the Cell 38S sheetpile upstream cutoff wall and the removal of the Cell 38A sheetpile upstream cutoff wall were completed.

The installation of river enhancement structures in Cells 38A was completed.

The installation of the upstream and the downstream sheetpile cutoff wall for Cell 37S was completed. Once Cell 37S was isolated excavation activities were completed. Like Cells 38S and 40S, Cell 37S was excavated “in the wet”. A small section of the floodplain in Cell 37S adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA’s contractors. Since both TSCA and non-TSCA material was present in Cell 37S and the exaction was done in the wet, there was no way of segregating the TSCA from the non-TSCA material therefore all material excavated from Cell 37S was classified as TSCA. The excavated material was placed into a double roll off box to allow the material to decant and then transported to Building 63 stockpile management area.

The total amount of material excavated from Cell 37S “GE floodplain area” was calculated with material excavated from Cell 37A “GE floodplain area”.

The surveyors monitored the excavation activities in Cell 37S to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, final excavation verification survey was performed in Cell 37S and backfilling activities were initiated. The riverbed and riverbank of Cell 37S was backfilled as follows: First the riverbed was to be backfilled with common fill to bring the bed to the design grade. The areas of the riverbed where common fill was required was substituted by filter material type II. Next, a nine-inch layer of filter material type II, and a fifteen-inch layer of 9-inch riprap were placed. The riverbanks were to be first backfilled with common fill to the design grade, as was done for the

riverbed the common fill was substituted by filter material type II, then a nine-inch layer of filter material type II and a twenty four-inch layer of 18-inch riprap up to elevation 966.0 feet AMSL.

The riverbank beyond elevation 966.0 feet AMSL will be backfilled with common fill to within 6-inches of final grade. The common fill will be installed in twelve-inch horizontal lifts and compacted to meet the 95% compaction requirement. Next, a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets will be placed. Due to the location of the access road and heavy traffic adjacent to Cell 37S, topsoil, herbaceous seed and erosion control blankets will be placed at a later date.

The surveyors monitored the backfilling activities in Cell 37S to ensure appropriate design backfill grades were achieved. As the river bottom and riverbank backfilling activities progressed, the final restoration verification survey was completed.

Also during the third week of November, the installation of the Cell 37A downstream sheetpile cutoff wall was completed. Once Cell 37A was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 37A and excavation activities in Cell 37A were completed. A small section of the floodplain in Cell 37A adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA's contractors. The excavated TSCA material was transported to Building 63 stockpile management areas. The non-TSCA material not characterized for off-site disposal was transported to Area 64C south, Area 64D north and Area 64B north stockpile management area.

The total amount of material excavated from both Cell 38S and Cell 38A in the "GE floodplain area" was 14 cy. GE will be responsible for the excavation, backfill, and OPCA disposal costs for the 14 cy of material.

The surveyors monitored the excavation activities in Cell 37A to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, final excavation verification survey was performed in Cells 37A, backfill grade stakes were installed and backfilling activities were initiated.

The riverbed and riverbank of Cell 37A were backfilled as follows: The riverbed in Cells 37A did not require a common fill layer. A layer of common fill was only to be placed in areas that were over excavated, such as sumps and trenches. Next a ten-inch layer of filter material type I, and a fifteen-inch layer of 9-inch riprap were placed. The riverbanks were backfilled with common fill to the design grade, a nine-inch layer of filter material type I and a twenty four-inch layer of 18-inch riprap up to approximately elevations 966.0 feet and 966.5 AMSL.

The riverbank beyond elevations 966.0 feet and 966.5 AMSL will be backfilled with common fill to within 6-inches of final grade. The common fill will be installed in twelve-inch horizontal lifts and compacted to meet the 95% compaction requirement. Next, the riverbank will be backfilled with a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets

will be placed. Topsoil, herbaceous seed and erosion control blankets will be placed only in the first hundred and twenty-five feet of the Cell 37A riverbank at this time. The rest of the area will be completed when GE performs remediation activities in the "GE floodplain area".

The surveyors monitored the backfilling activities in Cell 37A to ensure appropriate design backfill grades were achieved.

The installation of river enhancement structures in Cells 37A was initiated.

Also during the third week, the construction of the access road on the west side of the river in Phase 3C extending the road to the east and the west branches of the Housatonic River was initiated. The road was built by using geotextile and a layer of dense grade stone/airport mix.

During the fourth week of November, the Cell 37A backfilling activities were completed in accordance with backfill configurations described above. Once the backfill activities were completed in Cell 37A, the final restoration verification survey was completed.

The Cell 37S upstream cutoff wall was removed. Also, the Cell 37A upstream sheetpile cutoff wall was removed and the downstream sheetpile cutoff wall was driven to mud line and Cells 37S and 37A were flooded. The Cell 37A downstream cutoff wall will be used in the future as the upstream cutoff wall for Cell 39S.

In addition, the installation of the Cells 41/42 centerline sheetpile wall continued.

Other activities during the fourth week of November included the construction of a driveway on Parcel I7-2-44. The driveway was built by using filter material and ¾-inch stone.

Also, the construction of the access road on the west side of the river continued.

During the last week of November, the Cell 40 upstream sheetpile wall (former Cell 40S downstream cutoff wall) was pulled up to grade from the mud line and the installation of the downstream sheetpile cutoff wall was completed.

Various options were evaluated for access to the east side of the river for the future remediation activities in Cells 40, 41 and 44. The following factors were considered while evaluating the various options: impact on river flows, impact to the surrounding properties and cost. It was decided that a temporary floating barge river crossing is the best option.

During the last week of November, activities associated with the installation of the temporary floating barge river crossing were initiated. First, the surveyors staked out the proposed location for the barge crossing. Next the riverbed where the barges will be located was trenched and leveled off by excavating approximately a three-foot layer of sediment from the area. The trench will ensure that the barge will not bottom out when the loaded dump trucks cross it. The excavated sediment was placed in a roll off box for dewatering and then transported to Building 65 stockpile management area. Also, the deliveries of the components for the barge were initiated.

The temporary river diversion dam log boom was relocated from the Transition Phase to the Phase 3C area upstream of Cells 37A and 38A.

The installation of the Cells 41/42 centerline sheetpile wall continued.

Also, the construction of the access road on the west side of the river continued.

Other activities during the last week of November included decontamination of the large boulders segregated from the previously excavated material. The decontaminated boulders will be used in the future as river enhancement structures. Also, two truck loads of debris from temporary river diversion dam trash racks were removed and transported to Area 64E stockpile management area.

During the month of November, the WTS operations continued. The WTS treated water from Cells 38S, 38A, 40S, 37S and 37A. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on November 18, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of November. Surface water sampling for total suspended solids (TSS) and PCBs was performed on November 02, 2005 and November 16, 2005. The monthly PCB air-monitoring event was performed on November 30, 2005. Confirmatory PCB wipe samples were collected on November 28, 2005 on decontaminated equipment. Seven eight-point composite post excavation off-site disposal characterization samples were collected on November 14, 2005 and November 21, 2005 from the riverbed and riverbank materials excavated from Cell 38A, Cell 40S and Cell 37A (stockpiled in Area 64B, Area 64C and Area 64D). Also, on November 08, 2005 one eight-point composite off-site disposal characterization sample was collected from the WTS modutank material.

Geotechnical samples were collected for 9-inch riprap, 18-inch riprap, filter material type I and filter material type II. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of TSCA materials from the Building 63, Building 68 and Area 64E stockpile management area to the Building 71 OPCA was performed on November 10, 2005 and November 14, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of November 2005 and Table 4 for a summary of material transported to the OPCAs for the project through November 2005.)

The non-TSCA materials from the Area 64B, Area 64C and Area 64D stockpile management areas were transported to the Waste Management of New Hampshire-TREE, Rochester, N.H. from November 04, 2005 to November 30, 2005 (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of November 2005).

Vibration monitoring activities were completed in Phase 3C on structures located within 200-foot radius of the activities associated with sheetpile installation. Also, sound/noise monitoring was completed during the sheetpile installation activities.

Stockpile management area activities continued throughout the month of November. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68.

Traffic control was conducted on Lyman Street, Elm Street, Deming Street and Pomeroy Avenue during the month of November.

3. Sampling/test results received

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on November 18, 2005. The results of the daily particulate air monitoring program are summarized in Table 7. Results for the daily noise monitoring are provided in Table 8. Table 9 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on October 19, 2005 and November 02, 2005 are presented in Table 10. The sample results for the water column sample collected on November 16, 2005 are not yet available. Summary of the PCB air sampling conducted on October 20, 2005 and November 30, 2005 are provided in Table 11. However the PCB results for the air samples collected on November 30, 2005 are not yet available. Table 12 contains results for the decontaminated equipment confirmation wipe samples. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cell 38A, Cell 40S and Cell 37A (stockpiled in Area 64D, Area 64C and Area 64B) are summarized in Table 13. The off-site disposal characterization sample results for the WTS mudtank material are provided in Table 14. Table 15 contains the results for the backfill material samples collected on October 31, 2005.

4. Diagrams associated with the tasks performed

Figure 1 (2 maps) includes the layout of all excavation cells, the temporary dam, water monitoring locations, air sampling locations, vibration monitoring locations, access road locations, excavation load-out locations, staging area locations, fence line location, and the new and the old water treatment system pad locations.

5. Reports received and prepared

During the month of November 2005, Weston received a vibration monitoring summary report for the month of October 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3C to monitor structures on several properties within a 200-foot radius of the

sheetpile installation activities, the sewer siphon structure located at the Fred Garner Park and the Pomeroy Avenue Bridge. The following properties were monitored: Parcels I7-1-5; I6-1-69; I6-1-68; I6-1-67; I6-1-66 and H7-4-11. All units were set up to collect data on the continuous seismic mode. Activities occurring near the monitoring locations during this period included normal background activities, the installation of sheetpile walls, and general construction activities. All of the ground vibrations measured were less than the action level in the project specifications of 1.0 PPV (for structures with concrete foundations) except for one exceedance on the sewer siphon structure located at the Fred Garner Park on October 27, 2005. The one exceedance was a single one-minute event and it was Vibra-Tech's opinion that no action be taken. The exceedance was almost certainly caused by accidental human interference with the geophone, or an electronic spike due to an outside electrical influence.

During the month of November 2005, vibration monitoring was completed on several structures within Phase 3C, the sewer siphon structure located at the Fred Garner Park and the Pomeroy Avenue Bridge. The following properties were monitored: Parcels I7-1-5; I6-1-69; I6-1-68; I6-1-67; I6-1-66 and H7-4-11. However the report has not yet been received.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in December 2005

- Complete the installation of the floating barge river crossing.
- Initiate and complete excavation and backfilling activities in Cell 40.
- Remove the upstream cutoff wall in Cell 40 and drive the downstream cutoff wall to mud line.
- Remove the centerline sheetpile walls for Cells 37S/38S and Cells 37A/38A.
- Remove the floating barge river crossing and complete site preparations for the Holiday shot down.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64.
- Continue to transfer non-TSCA materials from the stockpile management areas to an approved off-site facility.

- Continue to transfer TSCA materials to the OPCAs.
- Continue the daily air, noise and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).
- Continue vibration monitoring activities in Phase 3C.

8. ATTACHMENTS TO THIS REPORT

Table 1. Quantity of Bank and Sediment Material Excavated during the Month of November

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 3. Quantity of Material Transferred to OPCAs during the Month of November

Table 4. Quantity of Material Transferred to OPCAs to Date

Table 5. Quantity of non-TSCA Material Transferred to Waste Management of New Hampshire-TREE, Rochester, N.H. during the month of November

Table 6. NPDES PCB Sampling Results for Water Treatment System

Table 7. Daily Air Monitoring Results

Table 8. Daily Noise Monitoring Results

Table 9. Daily Water Column Turbidity Monitoring Results

Table 10. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 11. PCB Air Sampling Results

Table 12. Equipment Decontamination Confirmation Wipe Sample Results

Table 13. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Table 14. WTS Modutank Sediment Material Characterization Analytical Results

Table 15. Backfill Material Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map (2 maps)

Photodocumentation

**Table 1 - Quantity of Bank and Sediment Material Generated During the Month of November
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	Location	non-TSCA	TSCA	NAPL impacted
Bank Soil and Sediment				
11/04/05	Cell 38S	0	90	0
11/07/05	Cell 38S	0	50	0
11/08/05	Cell 38A	130	120	0
11/09/05	Cell 38A	300	20	0
11/10/05	Cell 38A & Cell 40S	70	0	0
11/14/05	Cell 40S	50	0	0
11/16/05	Cell 37S	0	70	0
11/18/05	Cell 37A	450	110	0
11/19/05	Cell 37A	160	10	0
	Monthly total from bank soil and sediment	1,160	470	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck.

Includes 24cy from Cells 38S&38A, 1cy from Cell 40S and 14cy from Cells 37S&37A of material removed from the "GE Floodplain Area".

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 10/25/04	Cell 20	948	591	196	1,735
09/28/04 to 10/25/04	Cell 21	525	569	0	1,094
09/28/04 to 10/25/04	Cell 22	1,170	686	0	1,856
11/04/04 to 12/01/04	Cell 23^	1,725	189	0	1,914
11/04/04 to 12/02/05	Cell 24^	1,610	247	0	1,857
04/06/05 to 4/13/05	Cell 25^	858	369	0	1,227
04/12/05 to 04/19/05	Cell 25A^	419	127	0	546
04/27/05 to 05/04/05	Cell 26^	2,199	357	0	2,556
05/17/05 to 05/20/06	Cell 28	1,281	187	0	1,468
06/01/05 to 06/03/05	Cell 27	1,062	109	0	1,171
06/14/05 to 06/20/05	Cell 29	1,738	241	0	1,979
07/05/05 to 07/13/05	Cell 32^	1,540	541	0	2,081
07/25/05 to 07/28/05	Cell 30^	1,558	304	0	1,862
08/08/05 to 08/12/05	Cell 31^	1,689	211	0	1,900
08/23/05 to 08/24/05	Cell 33/34	1,289	21	0	1,310
09/09/05 to 09/13/05	Cell 35	997	42	0	1,039
09/22/05 to 09/23/05	Cell 36^	1,661	123	0	1,784
09/29/05 to 10/01/05	Cell 37^	573	51	0	624
10/07/05 to 10/19/05	Cell 38^	1,153	140	0	1,293
11/04/05 to 11/10/05	Cell 38S&38A^	673	270	0	943
11/10/05 to 11/14/05	Cell 40S^	62	59	0	121
11/16/05 to 11/19/05	Cell 37S&37A^	187	1,139	0	1,326
Total		60,267	13,346	6,949	80,562

Note:

All quantities determined by pre- and post- excavation surveying.

^ - Excludes material removed from the "GE Floodplain Area"

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of November
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	# of truckloads	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Bank Soil and Sediment			
11/10/05	6	0	66
11/14/05	35	0	385
Monthly totals	41	0	451

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 11 cy per truck

Includes approximate 2 truckloads (25cy) of material generated from "GE Floodplain Area" from Cells 38S, 38A and 40S.

**Table 4 - Quantity of Material Transferred to OPCAs to Date
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA
(Results are reported in cubic yards)**

		Approximate Quantity Transported to OPCAs	
Date	Location	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
10/01/04 to 10/14/04	Stockpile Management Area	352 (3)	1,958 (3)
11/01/04 to 11/15/04	Stockpile Management Area	363 (3)	1,342 (3)
12/02/04 to 12/14/04	Stockpile Management Area	176 (3)	847 (3)
04/20/05 to 04/22/05	Stockpile Management Area *	0	482 (3)
05/05/05 to 05/23/05	Stockpile Management Area **	0	1,067 (3)
6/27/05	Stockpile Management Area	0	154 (3)
07/07/05 to 07/29/05	Stockpile Management Area***	0	1,807 (3)
08/01/05 to 08/22/05	Stockpile Management Area****	0	1,445 (3)
10/03/05 to 10/26/06	Stockpile Management Area*****	0	1,177(3)
11/10/05 to 11/14/05	Stockpile Management Area*****	0	426(3)
Project Totals		28,238	19,708

Notes:

Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,000cy of material into GE OPCAs. Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.

- * - Excludes the 104 truck loads (1,168 cy) of the "GE Floodplain Area".
- ** - Excludes the 29 (319 cy) truck loads of the "GE Floodplain Area".
- ***- Excludes the 20 (217cy) truck loads of the "GE Floodplain Area".
- ****- Excludes the 11 (117cy) truck loads of the "GE Floodplain Area".
- *****- Excludes the 2 (22cy) truck loads of the "GE Floodplain Area".
- *****-Excludes the 2 (25cy) truck loads of the "GE Floodplain Area".

All quantities are in compacted or "in-place" cubic yards.

- (1) Estimated at 14cy per truck, loaded with excavator.
- (2) Estimated at 11cy per truck due to loading out frozen material.
- (3) Estimated at 11cy per truck, loaded with front end loader.
- (4) Estimated at 8cy per truck.

**Table 5 - Quantity of non-TSCA Material Transported to Waste Management of New Hampshire-TREE,
Rochester, N.H.**

**During the Month of November
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in tons)

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
11/04/05	0998WMNH	Cell 38 Area 64C south	31.32
11/04/05	0999WMNH	Cell 38 Area 64C south	30.94
11/04/05	1000WMNH	Cell 38 Area 64C south	29.47
11/04/05	1001WMNH	Cell 38 Area 64C south	31.14
11/04/05	1002WMNH	Cell 38 Area 64C south	31.51
11/04/05	1003WMNH	Cell 38 Area 64C south	31.59
11/04/05	1004WMNH	Cell 38 Area 64C south	30.29
11/04/05	1005WMNH	Cell 38 Area 64C south	33.09
11/04/05	1006WMNH	Cell 38 Area 64C south	34.09
11/07/05	1007WMNH	Cell 38 Area 64C south	32.66
11/07/05	1008WMNH	Cell 38 Area 64C south	31.14
11/07/05	1009WMNH	Cell 38 Area 64C south	32.07
11/07/05	1010WMNH	Cell 38 Area 64C south	31.14
11/07/05	1011WMNH	Cell 38 Area 64C south	31.73
11/07/05	1012WMNH	Cell 38 Area 64C south	33.57
11/07/05	1013WMNH	Cell 38 Insitu Area 64B north	34.14
11/07/05	1014WMNH	Cell 38 Insitu Area 64B north	32.42
11/07/05	1015WMNH	Cell 38 Insitu Area 64B north	32.20
11/07/05	1016WMNH	Cell 38 Insitu Area 64B north	31.85
11/07/05	1017WMNH	Cell 38 Insitu Area 64B north	32.95
11/08/05	1018WMNH	Cell 38 Area 64B south	32.96
11/08/05	1019WMNH	Cell 38 Area 64B south	31.64
11/08/05	1020WMNH	Cell 38 Area 64B south	32.11
11/08/05	1021WMNH	Cell 38 Area 64B south	31.89
11/08/05	1022WMNH	Cell 38 Area 64B south	33.18
11/08/05	1023WMNH	Cell 38 Area 64B south	33.89
11/09/05	1024WMNH	Cell 38 Area 64B south	31.39
11/09/05	1025WMNH	Cell 38 Area 64B south	32.43
11/09/05	1026WMNH	Cell 38 Area 64B south	29.31
11/28/05	1027WMNH	Cell 38A&40S Area 64C north	31.73*
11/28/05	1028WMNH	Cell 38A&40S Area 64C north	31.47*
11/28/05	1029WMNH	Cell 38A&40S Area 64C north	31.67*
11/28/05	1030WMNH	Cell 38A&40S Area 64C north	31.02*
11/28/05	1031WMNH	Cell 38A&40S Area 64C north	28.03*
11/28/05	1032WMNH	Cell 38A&40S Area 64C north	32.25*

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
11/28/05	1033WMNH	Cell 38A&40S Area 64C north	30.50*
11/28/05	1034WMNH	Cell 38A&40S Area 64C north	30.60*
11/28/05	1035WMNH	Cell 38A&40S Area 64C north	31.70*
11/28/05	1036WMNH	Cell 38A&40S Area 64C north	33.29*
11/28/05	1037WMNH	Cell 38A&40S Area 64C north	31.35*
11/29/05	1038WMNH	Cell 38A&40S Area 64C north	31.09*
11/29/05	1039WMNH	Cell 38A&40S Area 64C north	29.88*
11/29/05	1040WMNH	Cell 38A&40S Area 64C north	31.54*
11/29/05	1041WMNH	Cell 38A&40S Area 64C north	31.06*
11/29/05	1042WMNH	Cell 38A&40S Area 64C north	30.54*
11/29/05	1043WMNH	Cell 38A&40S Area 64D south	31.61*
11/29/05	1044WMNH	Cell 38A&40S Area 64D south	32.26*
11/29/05	1045WMNH	Cell 38A&40S Area 64D south	30.83*
11/29/05	1046WMNH	Cell 38A&40S Area 64D south	30.24*
11/29/05	1047WMNH	Cell 38A&40S Area 64D south	30.61*
11/29/05	1048WMNH	Cell 38A&40S Area 64D south	33.57*
11/30/05	1049WMNH	Cell 38A&40S Area 64D south	31.53*
11/30/05	1050WMNH	Cell 38A&40S Area 64D south	32.29*
11/30/05	1051WMNH	Cell 38A&40S Area 64D south	30.75*
11/30/05	1052WMNH	Cell 38A&40S Area 64D south	31.68*
11/30/05	1053WMNH	Cell 38A&40S Area 64D south	30.40*
11/30/05	1054WMNH	Cell 38A&40S Area 64D south	30.56*
11/30/05	1055WMNH	Cell 38A&40S Area 64D south	31.11*
11/30/05	1056WMNH	Cell 38A&40S Area 64D south	32.03*
11/30/05	1057WMNH	Cell 38A&40S Area 64D south	30.12*
11/30/05	1058WMNH	Cell 38A&40S Area 64D south	31.46*
11/30/05	1059WMNH	Cell 38A&40S Area 64D south	31.17*
Total of Material Disposed			1,958.05

Notes:

(1) Net weights established at the disposal facility.

* - Net weights established onsite during the load out of material.

Net weights from the disposal facility not yet available.

**Table 6- NPDES Sampling Results for Water Treatment System
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-5N18	Influent	18-Nov-05	ND(0.13)	ND(0.13)	0.25	0.81	1.1
H2-WW000002-0-5N18	Intermediate	18-Nov-05	ND(0.038)	ND(0.038)	0.078	0.28	0.36
H2-WW000003-0-5N18	Effluent	18-Nov-05	ND(0.013)	ND(0.013)	ND(0.013)	0.053	0.053
Action Level	Effluent		0.50	0.50	0.50	0.50	0.50

Notes:

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - Sample collected between carbon units which are being operated in series.

11/18/05 - monthly sampling

**Table 7 - Daily Air Monitoring Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
11/1/2005	Upwind	0.011	4
	Downwind	0.017	5
11/2/2005	Upwind	0.000	7
	Downwind	0.005	7
11/3/2005	Upwind	0.006	7
	Downwind	0.014	7
11/4/2005	Upwind	0.023	7
	Downwind	0.010	7
11/5/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/6/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/7/2005	Upwind	0.000	7
	Downwind	0.004	7
11/8/2005	Upwind	0.011	6
	Downwind	0.004	7
11/9/2005	Upwind	0.005	4
	Downwind	0.003	3
11/10/2005	Upwind	0.000	6
	Downwind	0.003	7
11/11/2005	Upwind	0.000	5
	Downwind	0.010	5
11/12/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/13/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/14/2005	Upwind	0.000	5
	Downwind	0.005	5
11/15/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/16/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/17/2005	Upwind	0.002	6
	Downwind	0.008	6
11/18/2005	Upwind	0.000	9
	Downwind	0.006	9
11/19/2005	Upwind	0.006	10
	Downwind	0.030	10
11/20/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/21/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/22/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/23/2005	Upwind	##	##
	Downwind	##	##
11/24/2005	Upwind	Holiday	Holiday
	Downwind	Holiday	Holiday

Date Collected	Sample Location	Average Site Concentration (mg/m ³)	Average Period (Hours:Min)
11/25/2005	Upwind	Holiday	Holiday
	Downwind	Holiday	Holiday
11/26/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/27/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
11/28/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/29/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
11/30/2005	Upstream	N/A	N/A
	Downstream	N/A	N/A

Notes:

N/A - Not available due to precipitation forecast > 50%

--- - No reading due to technical difficulties with monitoring equipment

- not deployed; Minimal Site work performed

**Table 8- Daily Noise Monitoring Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Noise (dBA)			Average Period (Hours:Min)
	High	Low	Average	
11/1/2005	--	--	--	--
11/2/2005	89.3	45.7	68.9	0.3
11/3/2005	98.7	54.9	73.7	0.3
11/4/2005	86.9	45.3	62.9	0.3
11/5/2005	weekend	weekend	weekend	weekend
11/6/2005	weekend	weekend	weekend	weekend
11/7/2005	##	##	##	##
11/8/2005	--	--	--	--
11/9/2005	79	62.5	66.4	0.3
11/10/2005	81.1	51.6	60	0.3
11/11/2005	83.9	57.2	63.1	0.3
11/12/2005	weekend	weekend	weekend	weekend
11/13/2005	weekend	weekend	weekend	weekend
11/14/2005	88.4	47.9	56.3	0.2
11/15/2005	N/A	N/A	N/A	N/A
11/16/2005	N/A	N/A	N/A	N/A
11/17/2005	87.5	45.2	60.7	0.3
11/18/2005	91.7	51.8	68.5	0.3
11/19/2005	weekend	weekend	weekend	weekend
11/20/2005	weekend	weekend	weekend	weekend
11/21/2005	N/A	N/A	N/A	N/A
11/22/2005	N/A	N/A	N/A	N/A
11/23/2005	**	**	**	**
11/24/2005	holiday	holiday	holiday	holiday
11/25/2005	holiday	holiday	holiday	holiday
11/26/2005	weekend	weekend	weekend	weekend
11/27/2005	weekend	weekend	weekend	weekend
11/28/2005	N/A	N/A	N/A	N/A
11/29/2005	N/A	N/A	N/A	N/A
11/30/2005	N/A	N/A	N/A	N/A

Notes:

dBA - Decibel

N/A - Not deployed due to weather

--- - No readings due to technical errors

- Battery Died during sampling

** - Not deployed - minimal site work performed

**Table 9 - Daily Water Column Turbidity Monitoring Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Reading 1	Reading 2	Average	
11/1/2005	175	Downstream of Lyman Street Bridge	2.3	3.8	3.1	8.2
		Downstream of Holmes Road Bridge	5.4	5.8	5.6	8.6
11/2/2005	149	Downstream of Lyman Street Bridge	4.1	1.1	2.6	9.1
		Downstream of Holmes Road Bridge	4.8	10.6	7.7	9.2
11/3/2005	137	Downstream of Lyman Street Bridge	1.2	6.2	3.7	7.8
		Downstream of Holmes Road Bridge	3.6	4.1	3.9	8.5
11/4/2005	118	Downstream of Lyman Street Bridge	4.6	4.5	4.6	8.5
		Downstream of Holmes Road Bridge	7.7	3.2	5.5	8.8
11/5/2005	114	Downstream of Lyman Street Bridge	weekend	weekend	weekend	9.6
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	9.6
11/6/2005	113	Downstream of Lyman Street Bridge	weekend	weekend	weekend	10.1
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	10.1
11/7/2005	106	Downstream of Lyman Street Bridge	4.9	2.3	3.6	10.5
		Downstream of Holmes Road Bridge	3.6	3.4	3.5	10.5
11/8/2005	103	Downstream of Lyman Street Bridge	5.4	4.2	4.8	9.0
		Downstream of Holmes Road Bridge	2.1	3.5	2.8	9.6
11/9/2005	100	Downstream of Lyman Street Bridge	3.5	6.1	4.8	7.8
		Downstream of Holmes Road Bridge	5.9	3.2	4.6	8.8
11/10/2005	168	Downstream of Lyman Street Bridge	4.7	2.8	3.8	7.3
		Downstream of Holmes Road Bridge	3.2	2.4	2.8	8.3
11/11/2005	150	Downstream of Lyman Street Bridge	5.6	4.1	4.9	5.2
		Downstream of Holmes Road Bridge	5.8	6.8	6.3	6.8
11/12/2005	121	Downstream of Lyman Street Bridge	weekend	weekend	weekend	4.4
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	5.9
11/13/2005	111	Downstream of Lyman Street Bridge	weekend	weekend	weekend	5.3
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	6.3
11/14/2005	106	Downstream of Lyman Street Bridge	3.5	2.3	2.9	7.1
		Downstream of Holmes Road Bridge	10.0	9.1	9.6	7.4
11/15/2005	105	Downstream of Lyman Street Bridge	3.7	6.1	4.9	6.8
		Downstream of Holmes Road Bridge	2.3	5.2	3.8	7.3
11/16/2005	137	Downstream of Lyman Street Bridge	5.6	7.0	6.3	8.5
		Downstream of Holmes Road Bridge	4.2	9.2	6.7	8.1
11/17/2005	330	Downstream of Lyman Street Bridge	9.6	6.4	8.0	7.6
		Downstream of Holmes Road Bridge	15.8	12.8	14.3	8.4
11/18/2005	237	Downstream of Lyman Street Bridge	5.9	6.2	6.1	4.6
		Downstream of Holmes Road Bridge	9.8	7.8	8.8	6.2
11/19/2005	179	Downstream of Lyman Street Bridge	weekend	weekend	weekend	3.5
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	5.0
11/20/2005	159	Downstream of Lyman Street Bridge	weekend	weekend	weekend	3.5
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	4.8
11/21/2005	145	Downstream of Lyman Street Bridge	5.9	3.6	4.8	4.2
		Downstream of Holmes Road Bridge	8.2	2.5	5.4	5.1
11/22/2005	210	Downstream of Lyman Street Bridge	2.3	6.8	4.6	5.0
		Downstream of Holmes Road Bridge	6.2	2.4	4.3	5.6
11/23/2005	232	Downstream of Lyman Street Bridge	N/A	N/A	N/A	2.4
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	3.9

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Reading 1	Reading 2	Average	
11/24/2005	175	Downstream of Lyman Street Bridge	Holiday	Holiday	Holiday	1.3
		Downstream of Holmes Road Bridge	Holiday	Holiday	Holiday	2.8
11/25/2005	150	Downstream of Lyman Street Bridge	Holiday	Holiday	Holiday	1.0
		Downstream of Holmes Road Bridge	Holiday	Holiday	Holiday	2.2
11/26/2005	129	Downstream of Lyman Street Bridge	weekend	weekend	weekend	0.6
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	1.9
11/27/2005	121	Downstream of Lyman Street Bridge	weekend	weekend	weekend	1.6
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	2.4
11/28/2005	125	Downstream of Lyman Street Bridge	3.2	4.6	3.9	3.2
		Downstream of Holmes Road Bridge	2.5	2.6	2.6	3.4
11/29/2005	208	Downstream of Lyman Street Bridge	6.1	3.7	4.9	5.0
		Downstream of Holmes Road Bridge	3.4	4.9	4.2	4.7
11/30/2005	777	Downstream of Lyman Street Bridge	15.8	12.5	14.2	7.4
		Downstream of Holmes Road Bridge	13.4	18.4	15.9	7.1

Notes:

Turbidity Action Level - Average Downstream (Pomeroy Avenue) \geq Average Downstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe.

N/A - Not collected shortened work day

**Table 10- Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (°C)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			Read 1	Read 2	Daily Average					
Upstream of Newell St. Bridge	10/19/05	159	NS	NS	NS	NS	H0-SW000054-0-5C19	ND(0.013)	0.018	5.6
Downstream of Lyman St. Bridge	10/19/05	159	0.5	0.9	0.7	10.8	H2-SW000055-0-5C19	0.014	0.026	5.7
Downstream of Holmes Rd. Bridge	10/19/05	159	1.2	1.6	1.4	11.8	H3-SW000006-0-5C19	0.036	0.016	6.7
Upstream of Newell St. Bridge	11/02/05	149	NS	NS	NS	NS	H0-SW000054-0-5N02	NS	NS	NS
Downstream of Lyman St. Bridge	11/02/05	149	4.1	1.1	2.6	9.1	H2-SW000055-0-5N02	ND(0.013)	ND(0.013)	7.5
Downstream of Holmes Rd. Bridge	11/02/05	149	4.8	10.6	7.7	9.2	H2-SW000006-0-5N02	0.035	ND(0.013)	6.4
Downstream of Holmes Rd. Bridge (duplicate)	11/02/05	149	4.8	10.6	7.7	9.2	H2-SW000006-1-5N02	NS	ND(0.013)	NS
Upstream of Newell St. Bridge	11/16/05	137	NS	NS	NS	NS	H0-SW000054-0-5N16	NR	NR	NR
Downstream of Lyman St. Bridge	11/16/05	137	5.6	7.0	6.3	8.5	H2-SW000055-0-5N16	NR	NR	NR
Downstream of Holmes Rd. Bridge	11/16/05	137	4.2	9.2	6.7	8.1	H3-SW000006-0-5N16	NR	NR	NR

Notes:

PCB Action Level - Downstream (Pomeroy Avenue) \geq Downstream (Lyman Street) + 5 ug/L

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

cfs - Cubic feet per second

ntu - nephelometric turbidity units

NS - Not Sampled

NR - Not yet reported

Temperature measured YSI 600 oms system.

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Water column samples were collected as 4 grab composite samples.

**Table 11 - PCB Air Sampling Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/\text{m}^3$)

Sample ID	Location (1)	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000007-0-5C20	AR000007	20-Oct-05	ND(0.00264)	ND(0.00264)	ND(0.00264)	ND(0.00264)	ND(0.00264)
H2-AR000048-0-5C20	AR000048	20-Oct-05	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)
H2-AR000051-1-5C20 (duplicate)	AR000051	20-Oct-05	ND(0.00250)	ND(0.00250)	0.00275 *	ND(0.00250)	0.00275 *
H2-AR000051-0-5C20	AR000051	20-Oct-05	ND(0.00257)	ND(0.00257)	0.00308 *	ND(0.00257)	0.00308 *
H2-AR000052-0-5C20	AR000052	20-Oct-05	ND(0.00261)	ND(0.00261)	ND(0.00261)	ND(0.00261)	ND(0.00261)
H2-AR000007-0-5N30	AR000007	30-Nov-05	NR	NR	NR	NR	NR
H2-AR000051-1-5N30 (duplicate)	AR000051	30-Nov-05	NR	NR	NR	NR	NR
H2-AR000051-0-5N30	AR000051	30-Nov-05	NR	NR	NR	NR	NR
H2-AR000054-0-5N30	AR000054	30-Nov-05	NR	NR	NR	NR	NR
H2-AR000055-0-5N30	AR000055	30-Nov-05	NR	NR	NR	NR	NR

Notes:

Notification Level: $0.05\mu\text{g}/\text{m}^3$

Action Level: $0.1\mu\text{g}/\text{m}^3$

1- See Figure 1 for locations

NR - Not yet reported

* - Reported value may be biased due to apparent matrix interference.

**Table 12 - Equipment Confirmatory Wipe Samples
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/100 \text{ cm}^2$)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000257-0-5N28	28-Nov-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000258-0-5N28	28-Nov-05	ND(0.25)	0.46	1.9	2.4

Notes:

PCB Action Level - $10.0 \mu\text{g}/100 \text{ cm}^2$

ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
November 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000309-0-5N14	H2-OT000309-1-5N14	H2-OT000310-0-5N14	H2-OT000311-0-5N21
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	11/14/2005	11/14/2005	11/14/2005	11/21/2006
Stockpile Location	Area 64D	Area 64D	Area 64C	Area 64D
Analyte				
PCBS				
AROCLOR-1254	1.5	2.3	1.2	8.1
AROCLOR-1260	6.5	4.0	4.2	29.0
PCB, TOTAL	8.0	6.3	5.4	37.0
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	88.0%	86.4%	92.3%	76.6%

Notes:

Only detected constituents are summarized

Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
November 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000311-1-5N21	H2-OT000312-0-5N21	H2-OT000313-0-5N21
Sample type	stockpile material characterization	stockpile material characterization (1)	stockpile material characterization
Date Collected	11/21/2005	11/21/2005	11/21/2005
Stockpile Location	Area 64D	Area 64C	Area 64B
Analyte			
PCBS			
AROCLOR-1254	6.4	14.0	3.2
AROCLOR-1260	25.0	100.0	12.0
PCB, TOTAL	31.0	110.0	15.0
INORGANICS			
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	77.7%	90.9%	77.7%

Notes:

Only detected constituents are summarized

(1) Material represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA.

**Table 14 - Water Treatment System Modutank Sediment Material
November 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000308-0-5N08
Sample type	stockpile material characterization
Date Collected	11/8/2005
Stockpile Location	Building 65 Modutank Material
Analyte	
PCBS	
AROCLOR-1254	1.8
AROCLOR-1260	5.8
PCB, TOTAL	7.6
TCLP HERBICIDES	
	all Non-Detects
TCLP METALS	
ARSENIC, TCLP LEACHATE (ug/l)	0.0053
BARIUM, TCLP LEACHATE (mg/l)	0.619
CADMIUM, TCLP LEACHATE (mg/l)	0.0026
LEAD, TCLP (mg/l)	0.0259
SELENIUM, TCLP LEACHATE (ug/l)	0.0096
TCLP PESTICIDES	
	all Non-Detects
TCLP SEMIVOLATILES	
	all Non-Detects
TCLP VOLATILES	
	all Non-Detects
INORGANICS	
CORROSIVITY BY PH	6.7
IGNITABILITY (deg f)	>150
PAINT FILTER LIQUIDS (ml)	ABSENT
PERCENT SOLIDS (%)	59.0%
CYANIDE (mg/kg)	ND
SULFIDE (mg/kg)	23.6
ORGANIC	
PETROLEUM HYDROCARBON	979.0

Notes:

Only detected constituents are summarized

ND - not detected

**Table 15 - Backfill Material Testing Results
November 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000056-0-5C31-1	H2-OT000056-0-5C31-3	H2-OT000056-0-5C31-9	Regulatory Limits (1)
Sample type	Common Fill	Common Fill	Common Fill	
Date Collected	10/31/2005	10/31/2005	10/31/2005	
Analyte				
APP IX SEMIVOLATILES				
ISOPHORONE	0.042 J	ND	ND	N/A
NAPHTHALENE	0.019 J	ND	ND	4
APP IX VOLATILES				
ACETONE	0.013	0.0052	0.0049	3
M,P-XYLENE (SUM OF ISOMERS)	0.0015 J	ND	ND	500
TOLUENE	0.0013 J	ND	ND	90
XYLENES (TOTAL)	0.0016 J	ND	ND	500
METALS				
ARSENIC	1.9	3.6	4.3	30
BARIUM	11.4	17.0	79.9	1000
BERYLLIUM	0.21	0.29	0.32	0.7
CHROMIUM	3.7	4.1	4.5	1000
COBALT	3.5	6.5	25.8	500
COPPER	7.1	9.8	21.5	1000
LEAD	4.9	4.9	6.2	300
MERCURY	ND	ND	0.017	20
NICKEL	5.4	9.7	16.8	300
SELENIUM	ND	0.35	1.2	400
THALLIUM	0.76	0.79	ND	8
VANADIUM	5.8	5.8	6.4	400
ZINC	32.1	29.0	51.6	2500
PCBS				
PCB, TOTAL	ND	ND	ND	0.1*
ORGANIC				
PETROLEUM HYDROCARBON	ND	ND	ND	200*

Notes:

Only detected constituents are summarized

ND - not detected

J - Indicates an estimated value

(1) - Massachusetts contingency plan S-1 limits

* - Project specific acceptable levels for backfill

N/A - Not Available



Photograph 1 – Final Restoration on Parcel I7-1-5



Photograph 2 – Installation of the Centerline Sheetpile Wall in Cell 38S



Photograph 3 – Installation of the Downstream Sheetpile Cutoff Wall through Super sacks in Cell 38S



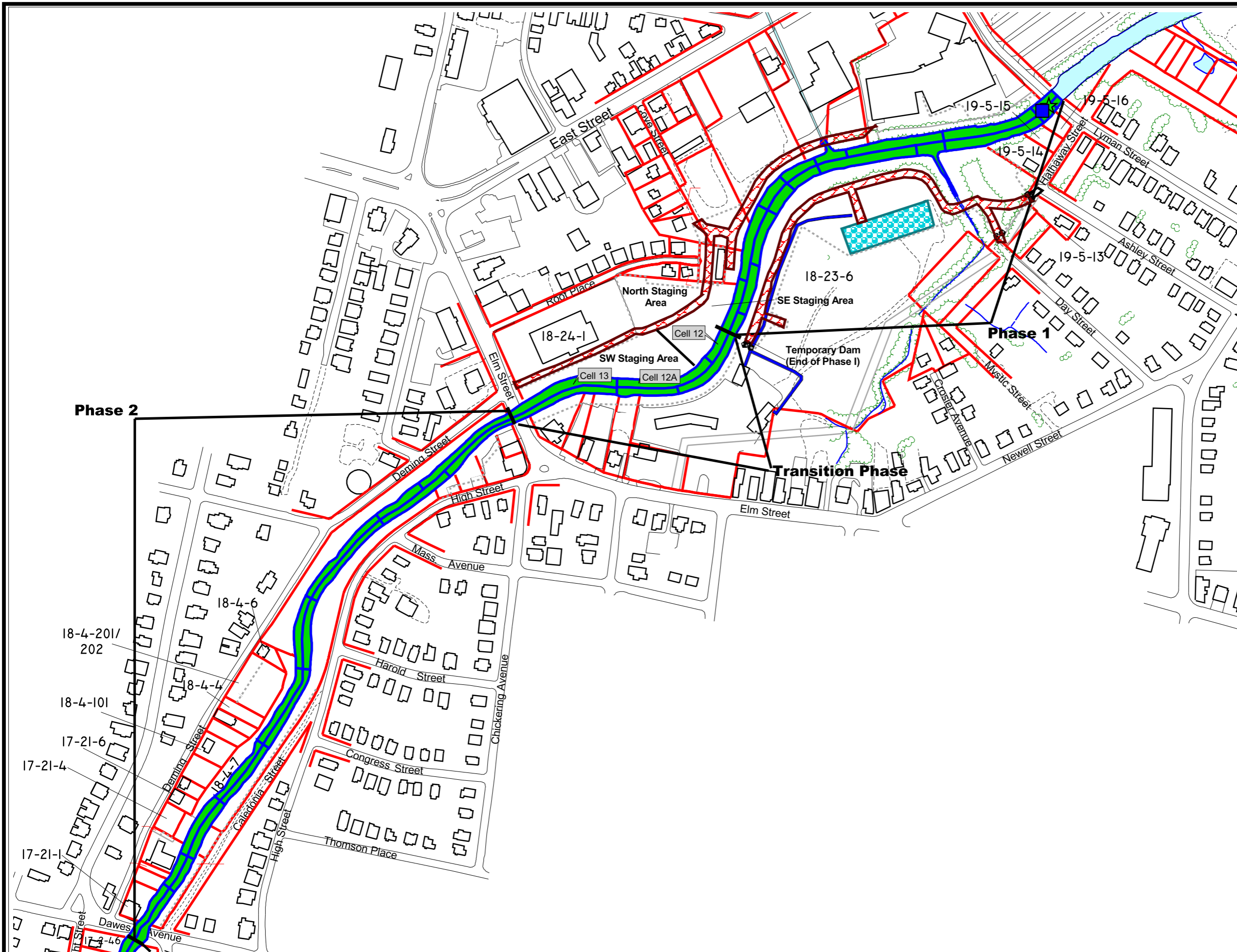
Photograph 4 – Excavation Activities in Cell 38A



Photograph 5 – Backfilling Activities in Cell 38A



Photograph 6 – Unloading of the Barge for Floating Barge River Crossing



- ### LEGEND
- Roads
 - Surface Water
 - Water Treatment Plant*
 - Access Roads
 - Asphalt Access Road
 - Property Lines
 - Loadout Area
 - Site Security Fence Line
 - Work Completed
 - Turbidity Monitoring Locations
 - Water Monitoring Locations
 - Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit

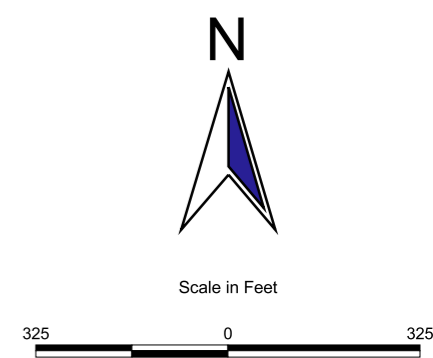
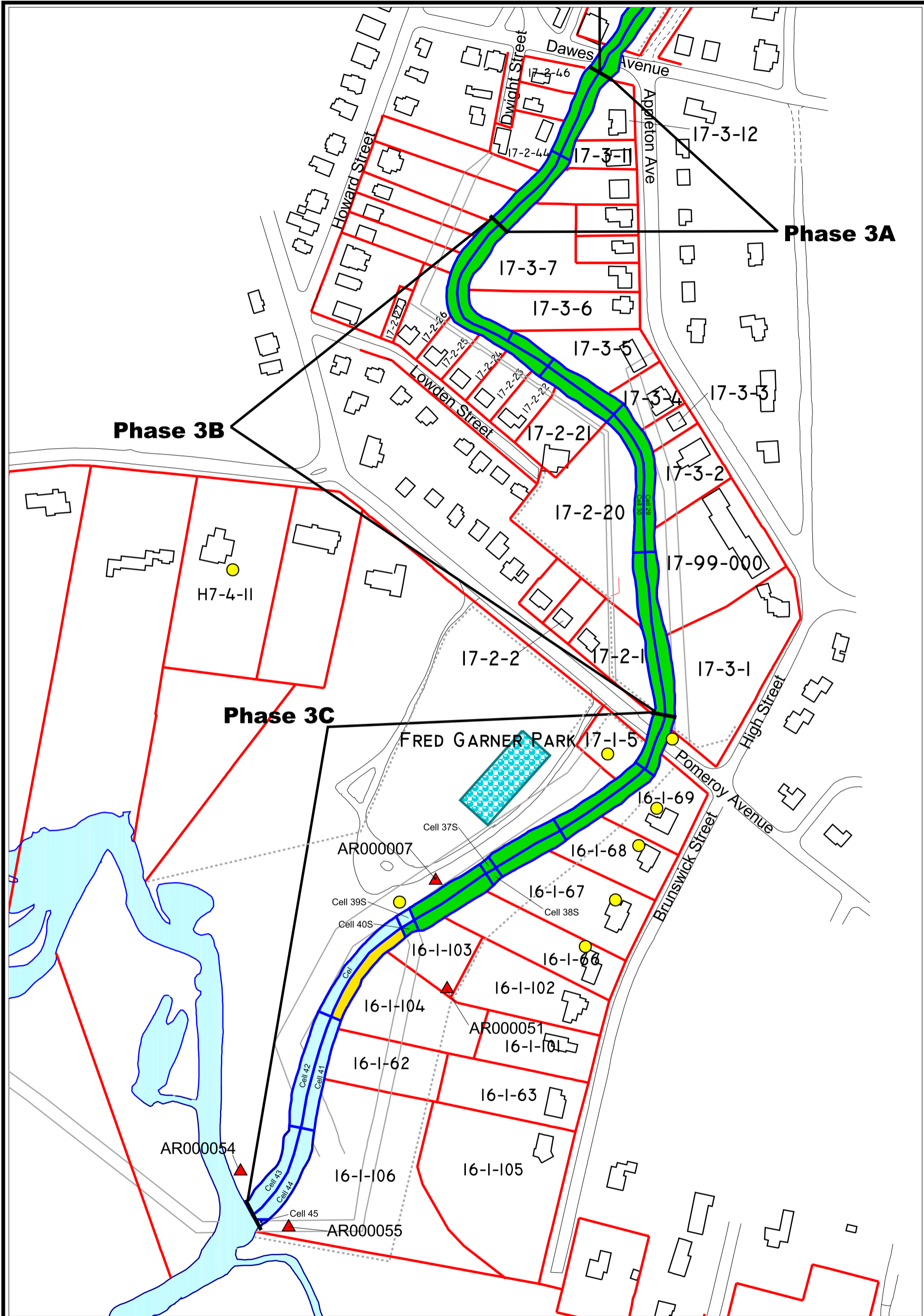


Figure 1
1.5 Mile Removal Action
Site Map (Map 1 of 2)
November 2005 Monthly Report



LEGEND

- | | | | |
|--|-----------------------|--|--------------------------------|
| | Surface Water | | Site Security Fence line |
| | Water Treatment Plant | | Roads |
| | Property Lines | | Vibration Monitoring Locations |
| | Work Completed | | Turbidity Monitoring Locations |
| | Work In Progress | | Water Monitoring Locations |
| | Work Pending | | Air Monitoring Locations |



Scale in Feet

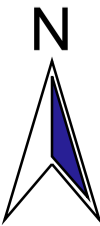


Figure 1
1.5 Mile Removal Action
Site Map (Map 2 of 2)
November 2005 Monthly Report